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Battery Powered Electromagnetic Flow Meter

3.6V Battery operated electromagnetic flow meter like normal DC24V/AC220V magnetic flow meter, achieve high accuracy $\pm 0.5\%$ or $\pm 0.2\%$ of reading in measurement.

Accuracy: $\pm 0.5\%$ (Standard), $\pm 0.2\%$ (Optional)

Ambient Temperature: $-45^{\circ}\text{C} \sim 80^{\circ}\text{C}$

Liner Material: PFA, F46, Neoprene, PTFE, FEP

Electrode: 316L, Hastelloy C, Hastelloy B, Ti, Ta, Pt

Protection Class: Incorporate type-----IP67 or Separate body-type-----IP67/IP68

Sensor	Aimag E
Application	Battery powered
Diameter	DN6-DN2000
Electrode material	Stainless steel Hastelloy Titanium. platinum
Liner material and process temperature	PFA:-20 ~ 150 °C (compact) PFA:-20 ~ 180 °C C (remote).
Process connection	Clamp, Welding, Flange
Process pressure	PN16-40 CL 150/300 JIS10K/20K
Accuracy class	$\pm 0.5\%/0.2\%$
Output signal	4~20mA Frequency/Pulse
Communication	GSM/GPRS, Modbus RS485
Explosion-proof certification	CQEx
Protection class	IP67 (IP68 optional)



Battery-powered Electromagnetic Flow Meter of Advantages

Power Supply: 3.6V lithium batteries, 24V or 220V

Users through the GSM / GPRS remote management software system can achieve the flow of data wireless remote transmission, storage and other functions.

Integrated verification, diagnostic function and empty pipe detection.

Measure forward and reverse direction flows, On-site instantaneous flow rate, forward and reverse cumulative total display

Built-in reference electrodes, no need to connect ground ring.

Dual frequency excitation and stable zero point.

Precision coil winding technology, makes magnetic field more uniform.

High protection grade, IP68, can be buried in ground

Wide measuring range: the flow velocity measuring range can reach 0.05m/s~10m/s

High accuracy: $\pm 0.5\%$ of reading, $\pm 0.3\%$ and $\pm 0.2\%$ optional, velocity $> 0.3 \text{ m/s}$. (Integral) (remote)